

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Xinbing Liu
Filed: Herewith
Title: PROCESS AND APPARATUS FOR FORMING DISCRETE MICROCAVITIES IN A
FILAMENT WIRE USING A POLYMER ETCHING MASK
TC/A.U.: To Be Assigned
Examiner: To Be Assigned
Docket No.: MATB-404US

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

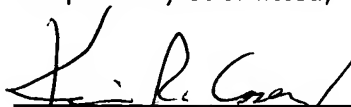
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the non-patent listed references ^{is} ~~are~~ also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Kevin R. Casey, Reg. No. 32,117
Attorney(s) for Applicant(s)

KNN/tmb

Enclosures: PTO Form 1449

Dated: March 19, 2004

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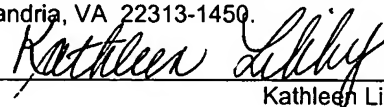
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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Kathleen Libby

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Xinbing Liu
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	MATB-404US

[illegible][illegible]Date
Considered

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Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	To Be Assigned
	Filing Date	Herewith
	First Named Inventor	Xinbing Liu
	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
	SHEET 2 of 2	Attorney Docket No.

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published	T ²
		H. CRAIGHEAD ET AL., Selectively Emissive Refractory Metal Surfaces, 38 Applied Physics Letters 74, 1981	<input type="checkbox"/>
		J. WAYMOUTH, Where Will the Next Generation of Lamps Come From?, Fifth International Symposium on the Science and Technology of all Light Sources, September 10-14, 1989, pp. 22-25 and Fig. 20, York, England	<input type="checkbox"/>
		M. SRINIVASARAO ET AL, Three-Dimensionally Ordered Array of Air Bubbles in a Polymer Film, 292 Science, 79, April 6, 2001	<input type="checkbox"/>
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Examiner Signature			Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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